/For an account of sources of water throughout Saudi Arabia and adjacent territory in 1920--location, adequacy, purity, etc. --see 30: Great Britain, Saudi Arabia MJ1, category 116, entire source./

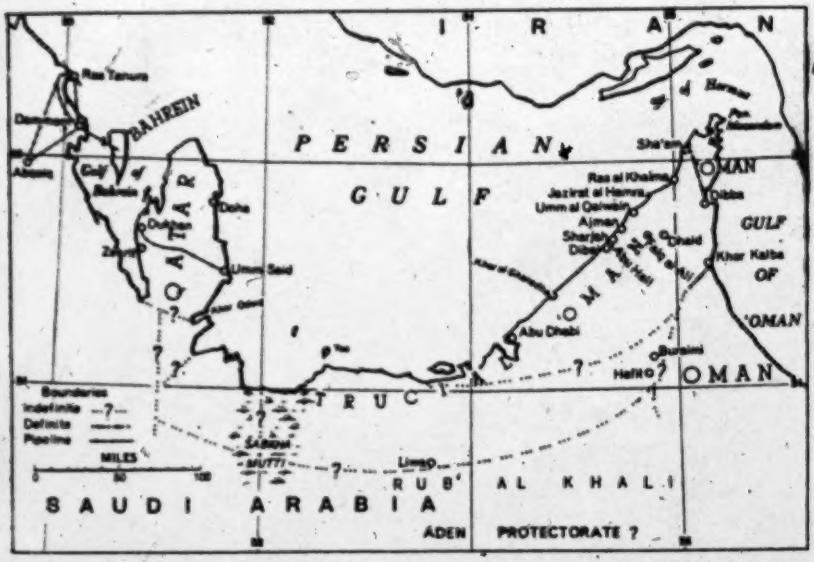

FIG. 1—Location map of Trucial 'Oman and Qatar, showing various reported boundaries.

number of cattle is small. Wells are far apart; many are brackish, and only a few have sufficient water for surface or subsurface irrigation. Thus the whole peninsula of Qatar contains only two or three struggling date gardens. Larger wells are reported below the foothills of the mountains of 'Oman, which explain the more extensive date gardens there (similar to those of the Batinah Coast, on the east side of the mountain range) and the cultivation of some cereals. The total population is small and largely migratory. Estimates range from 7000 to 25,000 for Qatar, and from 40,000 to 105,000 for the remainder of the coast, concentrated in the northeastern part; from the base of the Qatar peninsula to Abu Dhabi the coast is reported to be virtually empty of human beings today, except for a few Bedouins migrating from the inland wells of Liwa.[1]

Because of the scanty endowment of the land, occupations deriving revenue from the sea became dominant. The port of Sharjah was reported to send 350 boats to the pearl fishery and to have in addition about a hundred fishing boats.[2] Pearling is generally limited to a small but indented stretch of coast near this port, and receipts are believed to fluctuate substantially from year to year.[3] The growth of both fishing and pearling is assumed to be rela-

[1] W[ilfred] Thesiger: Across the Empty Quarter, *Geogr. Journ.*, Vol. 111, 1948, pp. 1–21; reference on p. 9.

[2] S. B. Miles: The Country and Tribes of the Persian Gulf (2 vols., London, 1919), Vol. 2, p. 442.

[3] Raymond O'Shea: The Sand Kings of Oman (London, 1947), p. 132.

must have got to loathe those rattling ovens, the desert battle-wagons!

None of us felt like walking the ten miles to Ral-al-Khaimah. We decided to invite the Khan Sahib to give us his advice. He at least knew the locality; but to our surprise he had disappeared. We assumed he had designs of his own, and waited patiently in the shade of an old palm tree until he should return. On our left the creek flowed lazily as the tide came in, while to our right lay open fields of clover, divided by plantations of thriving date palms, each about a quarter of an acre in extent, and surrounded by flint-and-mortar walls three feet high. The trees are carefully tended from the first planting, and the plantations contain as many as twenty to thirty deep wells each, from which the water is hand-drawn by means of buckets attached to long ropes.

On some plantations there is a simple, but effective, irrigation system; this consists of channels running at right angles, like the lines on a crossword puzzle. The young plants are placed in the ground between these channels, and are surrounded by low mud walls. This enables the water to collect around the roots in a saucer-shaped depression. The roots penetrate the soil for five or six feet in their search for water, and trees in their prime (about twenty years old) reach a height of thirty feet or more. The bark is composed of the stem-base of the leaves or fronds, which die off each summer. The fruit begins to form in July and the dates are ready for picking in September. They are then packed tightly in boxes and taken by camel or dhow to the merchants for export. Those intended for local consumption are either dried, or else pickled in their own syrup, to which is sometimes added wild honey and ginger, making a delicious concoction.

Herds of cattle were grazing in the fields, watched by young Arab boys; they sang ditties to each other or told stories, a favourite desert pastime. The cattle are very small and anæmic compared with European stock, the largest bull being no larger than a young English heifer. Like the Indian cattle, from which no doubt they are descended, they are hump-backed and have a pathetic *moo-oo* which resembles the cry of a nursery toy cow. The Arab farmers tie the forefeet of their cattle together to prevent them from straying, and their progress when being driven reminded me of a two-legged race.

We had brought a .303 service rifle with us. It had originally belonged to one of our Askhari guards, but he had not looked after

[Ten miles from Ras-al-Khaimah -- Analyst]

185 Before he took his leave from Sharjah, he implored me to send
311 him some catalogues of British firms giving details of agricultural machinery, as he was determined to experiment on his estates at Quwait and prove to his own satisfaction that the desert could be made to bloom. His own gardens at the Sheikh's Wells were alone an object lesson in vegetable growing under difficult climatic and soil conditions, and I believe that if he had been given a free hand in Oman the Arab population could have been made self-supporting. He could never understand why the British authorities would give no assistance to agricultural development, and insisted in exporting from India, even during the critical period of the war when transport was one of our greatest problems, cereals and other foods which could have been cultivated locally.

134 It must not be imagined that the growing of cereals and vegetables is an easy matter in Arabia. In Oman nine-tenths of the surface is composed of sand which, under analysis, reveals a
312 remarkable proportion of salt and acids. Much of the land is at sea level, or even below it, so that the well-water is salt and brackish and unfit for plants. Yet in the higher ground there is no limit to the number of wells which may be dug, provided suitable machinery is available. The subterranean water supply is limitless, being replenished during the heavy rains by streams and torrents which rush down from the mountains. Artesian wells which were drilled by the R.A.F. at Sharjah proved to the satisfaction of the engineers that even in the low-lying areas water can be found at economical depths.

312 A properly-controlled irrigation system would be a costly
241 proposition at the outset, requiring extensive equipment and power units; but once it were installed, with a sufficiency of reservoirs to retain the supplies and modern pumping installations to ensure an adequate flow to canalized areas, one of the main difficulties of desert cultivation would have been overcome. Scientific treatment of the soil is another essential consideration, and from experiments which I undertook at Sharjah, with the advice of the Government of India's Agricultural Department in the Sind, I am confident that with proper treatment of the soil, both with chemicals and locally-produced manures, practically anything which grows in the sandy regions of northern India or Iraq, could be grown equally well in Oman.

241 In the small garden at the Fort I have grown cabbages and tomatoes as large and succulent as any which pass through Covent

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A reservoir at Djaidh, part of the irrigation system for the date plantations

following p. 140 (d)

2: O'Shea G-3 (1944-1945) 1947 MK4 Trucial Oman MK4

all the fun that he could out of desert life, yet he worked exceedingly hard and devoted several hours each day to the study of Arabic.

Tandy had been instructed to pay a visit to Djaidh to discuss with the tribal leaders the continuation of work on the wells which irrigate the large date plantations for which this district is famous. Djaidh, which is not a village but a district, lies about fifty miles east of Sharjah on the direct camel route, but the sand tracks are extremely soft for vehicular traffic and Tandy had chosen a circular route by way of Falat-al-'Ali and Muraq-quibat, where the road is reasonably good and has a hard surface. It added twenty miles to the journey, but the extra comfort and ease of travel compensated for this.

I had been invited to join the party, since Captain Tandy had expectations of meeting Sheikh Mahommed bin Ali, ruler of the wild Beni Quitab tribe of Bedouins. I had often expressed a wish to see this chief, whose fierceness and bold character were celebrated in Oman; I never expected to have this privilege, for the Beni Quitab lived in remote and inaccessible parts of the desert, mostly at the foothills of the Jebel-al-Faiyah range, and were continually changing their camping-ground. It was reported, moreover, that they were hostile to foreigners and that Sheikh Mahommed had met only two Europeans, one of them being Sir Geoffrey Prior, the British Resident, who had difficulty in finding him. Arabs are very chary of giving information to foreigners concerning the whereabouts of Bedouin tribes, presumably because they fear reprisals.

Owing to the waterless nature of Oman—which is, geographically, merely a coastal extension of the Great Southern Desert, or Rub-al-Khali—date plantations of any appreciable size are rare. On the Oman Gulf side of the peninsula, and at Muscat, they flourish to such an extent that their export forms one of the staple industries of this part of south-east Arabia, but west of the Shimailiyah the only large plantations are at Falaj-al-'Ali and Djaidh, where their ownership is shared by the tribes in common. Djaidh is neutral territory, but the responsibility for managing the plantations is divided between the Sheikhs of Sharjah and Kalba; the Sheikh of Ras-al-Khaimah is responsible for the plantations at Falaj-al-'Ali, although the Sheikh of Umm-al-Quwain has some interest in this plantation. The district is inhabited by Kalba tribesmen, who live in encampments near the wells; they are responsible, through their headmen or sub-chiefs, for the maintenance of the irrigation

2: O'Shea G-3 (1944-1945) 1947 MK4 Trucial Oman MK4

system, although the actual excavation and sinking of wells is done by negro slave labour.

The plantations at Djaidh are the largest and cover several hundred acres; the trees are exceptionally fine and tall, and the yield of dates is above average. The water used for their irrigation is drawn from deep natural wells at the foothills of Jebel Faiyah, a dozen miles away, and passes along subterranean channels by gravity flow. All along this route wells have been dug to meet this channel, in order to keep it clear of obstructions, since the walls frequently cave in and the channel becomes blocked with sand and boulders from the river bed. The depth of the channel varies from twenty to fifty feet; it is built on the Persian principle of irrigation and is said to be several hundred years old. Labourers work inside the channel, which is about twenty feet in circumference, shovelling out the loose sand and debris; this is piled into baskets, which are raised to the surface by means of a primitive pulley, which rests on a crude trestle of tree-boughs. Four labourers are employed at each well, two underground and two at the surface.

The work had not been progressing satisfactorily this year and complaints had been made to the Political Officer that the channel was congested and that an insufficient flow of water was reaching the plantations. This was a matter of some concern to the authorities, since, if the plantations were deprived of water there would be a danger of the trees dying, or at least of the fruit withering on the stems. If this occurred, thousands of Arabs would be unemployed in the autumn (the date-picking season), and the price of dates would rise out of all proportion to local incomes, as they would have to be imported from Muscat or Basrah. A great many of the inland tribes derive their livelihood from the seasonal crops, and they are well paid for picking and packing the dates.

We set off shortly after breakfast, in two four-wheel-drive trucks, the party consisting of Captain Tandy, Mr. T. F. Williamson, geologist to the Basrah Petroleum Company, Mr. Jasim bin Muhammed Kadhawi (Residency Agent at Sharjah), myself, and Sheikh Hamid bin Abdulla, a nephew of the Regent of Kalba, who has a dependency or settlement near Djaidh, the tribesmen of which maintain the wells. Owing to the grass-covered dunes and shifting sands of the direct camel route, we took the coastal road through Ajman and Hera as far as Umm-al-Quwain, a distance of thirty miles. Skirting Umm-al-Quwain, which is a small

The headman*, a fine-looking old Arab with a white beard and keen eyes, came forward to greet us and introduced us to the local gentry. 516

They shook us by the hand, the kiss of honour being reserved for Sheikh Hamid alone. Salim bin Raschid, the headman, amazed us by declaring that he had anticipated our visit. When we enquired how this was, he merely shook his head and smiled. The only explanation I can give is that some servant of the Residency Agent's at Sharjah had passed the information to a friend, and that the news had been conveyed to Djaidh by a passing caravan. The argument against this is that the decision to make the journey was only made by Captain Tandy the day previously, although he had discussed it with Jasim.

The headman allowed me to take a photograph of him and insisted on shaking my hand again when I had done so. The Arabs do not shake hands vigorously, as we do, but in a gentle, feminine way, letting the tips of their fingers linger in your palm. Accompanied by the notables, we inspected the wells, where stalwart young negroes at once assumed an air of great preoccupation and began hauling at the winches and emptying the full baskets which came up. We peered down the well and could just see the heads of the labourers working in the channel. The headman said they had just cleared the well base after a heavy fall of sand, and had increased the height of the roof to eight feet. He assured Tandy that the work was making good progress and that he would be personally responsible to the Sheikh of Sharjah for its continuance. 312

We spent half an hour at the wells, where Tandy and Williamson engaged in technical discussions with the Arab engineers, and then took the road leading to the Beni Quitab encampment. No one seemed to know quite where it was, except that it lay towards the lower slopes of Jebel Faiyah, and was about twelve miles distant. Salim lent us a couple of guides, who clung precariously to the running board as we plunged across the river bed and sped up the steep, grass-covered banks. Here we entered a country which looked very much like the veldt of South Africa; in fact, just the sort of terrain in which one expects to find lions. 487 133

This country, called by the Arabs *Marbakh abu Laila*, extends at the foot of the mountains from Muraq-qibat to Baraimi, a distance of nearly a hundred miles, and is about ten miles in width. It is completely wild, the haunt of gazelle, hares, mountain wolves and occasionally the rare, long-horned oryx. It was here, many years ago, that Williamson shot a leopard, an animal which previous 487 133 136

*[at Djaidh -- Analyst]

2: O'Shea G-3 (1944-1945) 1947 MK4 Trucial Oman MK4

small oasis with wells and a date garden. We were presently joined by a crowd of Bedouins who peered at us in wonder, and when Hamid informed them that we were proceeding into the Rub-al-Khali they began to laugh. An aged *Badu*, who inspected our car with great interest, threw up his hands and shouted: 'Inshillah, but they must be mad!'

Mad or not, we were determined to proceed with our journey without delay and, as soon as our Arabs has said their midday prayers—with a special invocation for the protection of Allah during our entry into the unknown—we mounted our camels and set forth. Musa, the driver who was to take the car back to Sharjah, gave us a cheerful send-off, betraying relief that he was not included in the party, and leaving the caravan route on our right we cantered over the desert in the direction of Latir, the site of a disused well.

After five hours of fairly comfortable travel we reached the district known as Dhafra, which is composed of flat, waterless desert relieved by occasional dunes and patches of *andab* grass. We stopped here to allow the camels to graze and pitched our tents under the shoulder of a sandhill. We estimated that we were approximately a hundred miles south-west of Baraimi, and east of the Manasir desert. Schultz and I climbed to the top of a dune to watch the sun sink below the horizon; the desert stretched out on every side as far as the eye could see, and we appeared to be in the centre of a vast, treeless plain. A desert sunset is an unforgettable sight and quite unlike anything one sees in Europe; banners of scarlet and gold are unfurled in the sky, the clouds glow with a translucent iridescence, and, as the stars appear one by one, at first pale and glimmering, then with the brightness of white fire, a purple haze covers the desert. Shadows lengthen from the dunes until they merge in the twilight gloom and then, as if a curtain had been drawn across the world, night falls suddenly in folds of cold, black silence.

The next day we continued southwards through the Liwa region to Idd, where we were fortunate to find an old well with water at ten fathoms. It lay in a bush-covered hollow of the dunes and the cameleers set to with a will to open up the shaft which had fallen in. Hamid reckoned that the well had not been used for many years and was surprised to find any water there. He gave me a taste of it from his goat's-skin, but it was horribly brackish and I was glad we had a good supply in our water-bottles.

312 When one is travelling from well to well a
487 long rope is an essential article of equipment, for there is seldom any at the well-head itself. The water raised *en route* was warm and sulphurous, but in Wadi Qor, the pass through the Hajar Range, we found shallow pools of rain-water among the rocks, and although it must have been very stale it was considerably more palatable than the well-water. Wadi Qor is very rocky, and the three-tonner performed in an admirable manner, climbing rocks and moving forward at angles that must have been undreamed of
[721] by its makers. The party was alert and rather light on the trigger, for tribesmen continue to raid caravans going through this pass, and
487 life is very cheap in 'Oman. The track improved towards the end of the wadi and opened out onto a sandy plain tinted a pale green by a sparse covering of grass and

TO 369 162 439 443 [181]

ladies' lingerie, but he has little use for some of the strange products of the West. For the townsman, who is living in a mixed community of Arabs from many parts of the Persian Gulf, Persians and Indians, it is a different proposition, and his materialism has made Dibai a small British export area, though mostly for the less refined goods that are unable to find buyers on a more discriminating market.

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The primitive bedouins who live by the foothills of the main mountain range, who owe allegiance to no one, are a constant cause of worry to the sheikhs, from whom they extract levies in return for protection; if the money is not forthcoming they raid the villages and carry off goods, camels and children. On the whole, however, the people of the coast seem to have a peaceful enough existence, making their living by, among other things, pearling, fishing and boat-building.

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At several points along the coast the wells are some distance inland, and water has to be transported to the villages by camel or donkey. Though brackish and unpalatable, it is expensive; the cost of buying water is a burden on the poor, and they take only sufficient for their minimum needs. Even so, the water-pot is always at hand when a traveller passes by — a simple hospitality that is often very touching. The lot of the dogs, a wretched one at the best of times in the

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P. 191 (B)

let, and milk are staple articles of diet, and may be supplemented by fish, meat and vegetables, depending upon the resources of the individual families.

Although trails link the principal towns of Trucial Oman and Muscat, coastwise dhow traffic forms the chief means of communication. Steamers from Indian to Persian Gulf ports call irregularly at Dibai and Sharja. A flying boat station and an airport are located at Dibai and Sharja, respectively, and are used occasionally by commercial airlines.

ENVIRONMENT AND SANITATION

Water is scarce throughout most of this region. Supplies for domestic and irrigation purposes are obtained from springs, wells and rain-water cisterns, but underground sources are unreliable, except in limited areas north of Dibai. Artesian waters are found chiefly in the vicinity of Sharja. The western part of the territory is particularly arid: water for Abu Dhabi is transported by boat from Dibai.

The standards of sanitation are generally low. The methods of sewage disposal are primitive, and, although latrines are employed in the towns, indiscriminate pollution of the soil is a widespread practice.

The insects and the animals of medical importance native to Trucial Oman are comparable with those encountered under similar environmental conditions along the eastern coast of Arabia. Few entomologic studies have been recorded, but *Anopheles culicifacies* is known to be present, and is regarded as the principal vector of malaria. It breeds prolifically in wells, cisterns and irrigation ditches. *A. stephensi* also has been identified at Khor al Kalba, and is probably a vector in some localities. Flies are plentiful in towns and villages, and several species undoubtedly are implicated in the transmission of intestinal and eye infections.

HEALTH SERVICES AND MEDICAL FACILITIES

Public health services are almost non-

164 Over 50 per cent of the individuals treated
[758] in the oil company dispensary in 1950 were suffering from conjunctivitis.

164 Skin infections are prevalent. Where
● 512 water is scarce the Moslem tribes sometimes
228 employ sand in the ablutions required according to religious rites. As a consequence, many acquire infections in existing abrasions of the skin. Ulcers on legs and arms are observed repeatedly. Skin diseases are reported to be particularly evident among the pearl divers.

164 Leprosy is present, but no studies have
361 been made to determine the distribution of the infection. Some tribes are said to ostracize lepers and to require them to live in segregated colonies.

Diseases Spread by Arthropods

164 Malaria is highly endemic in the towns
136 and agricultural areas, while extensive outbreaks are reported from time to time. Transmission probably is most active from April to June and from October to January, as in the oases on the eastern coast of Saudi Arabia. All forms of the disease are encountered, but outbreaks usually are attributed to *Plasmodium falciparum*. *P. vivax* predominated among the cases in which the type was determined at the oil company dispensary in 1950. Among 17 cases treated in that year, 5 were classified as due to *P. vivax*; 3, to *P. malariae*; 1, to *P. falciparum*; while 8 were not identified.

Outbreaks of sandfly fever and dengue fever are recorded occasionally, but the incidence of other arthropod-borne diseases is uncertain.

SUMMARY

162 Trucial Oman, formerly designated as the
161 "Pirate Coast," comprises 7 independent
361 sheikhdoms on the eastern coast of Arabia, near the entrance to the Persian Gulf. The population is heterogeneous, although predominantly Arab and Moslem. In 1951, it was estimated at 80,000, including about 10 per cent belonging to nomadic Bedouin tribes.

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Public health and medical services are almost nonexistent. One 12-bed private hospital was in operation in Dibai, the largest town, in 1951. In addition, a dispensary was maintained by the Petroleum Development (Trucial Coast) Ltd., mainly for the benefit of its employees. Temporary clinics are established at Dibai from time to time by medical personnel from the mission hospital at Muscat. Water supplies are scarce and limited to the northern section of the territory: the littoral west of Abu Dhabi is arid and virtually uninhabited. Water for domestic use and for irrigation is obtained from wells, springs and rain-water cisterns.

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p. 315(A)

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315 OIL AND GAS WELLS--exploration for oil and natural gas; methods of extraction (e.g., skimming, drilling); use of special apparatus; pipelines, pumping stations, and storage tanks; special precautions against fire and explosion; organization of labor and production; specialized personnel; regulation; etc.

See also:

Natural resources 13
Heating and lighting appliances. 354
Urban fire protection 368
Fire and fuel 372
Petroleum refining 382
Manufacture of drilling machinery 392
Drilling machinery. 402

1: Melamid K-4 (no date) 1953 MK4 Trucial Oman MK4
Qatar MK3

in the towns along the coast. A further basis of the Iranian claim is the high proportion of the trade of the region that appears to flow to and from Iran, and is in the hands of Iranian traders, many of whom have migrated to the coast in the last 25 years. In 1951 discussions were reported to have begun between Great Britain and Saudi Arabia regarding the boundaries between the various British protectorates and Saudi Arabia, but at the time of this writing (late 1952) no conclusions have been announced.

Despite these political uncertainties and the resulting absence of civil authority, test wells are being drilled in Trucial 'Oman. Two in the sheikhdom of Dibai (at Jebel Ali and Ras Sedr) have been abandoned at a depth of 12,000 feet. A third well, in the sheikhdom of Abu Dhabi, is now planned, 12 miles inland from Tarif. Because of the shallow waters off Tarif, drilling equipment and other supplies will have to be discharged at Zubaya, 65 miles distant. As in Qatar, considerable local construction will be necessary before any commercial production of oil can be undertaken.

Since President Truman's claim in 1945 to United States jurisdiction over the resources located underneath the shallow seas of the continental shelf off the United States, no fewer than eleven states in the Persian Gulf area have asserted similar, if not more sweeping, rights, in spite of the absence of many boundaries on land.[26] Probably most of these claims contradict one another. So far, oil has been struck at only one point offshore in the Persian Gulf, in the extreme northwest part, effectively claimed by Saudi Arabia. However, even before this discovery the sheikhs of Qatar and Abu Dhabi, independently of each other, had granted concessions to their proclaimed offshore resources to another company, which is not a partner in the Saudi Arabian oil concession or in the Iraq Petroleum Company. In both cases the subsidiaries of this company holding the oil concessions from Qatar and from the sheikhdoms of Trucial 'Oman complained that these offshore concessions infringed on their rights, which they maintained included all resources under the jurisdiction of the sheikhs. Both disputes were arbitrated under the terms of the concession agreements. In 1950 the arbitrator in the case of Qatar, Lord Radcliffe, distinguished between the territory of Qatar, which includes the sea and subsurface resources up to the three-mile limit, and other rights of Qatar in the open sea beyond the three-mile limit. Throughout the territory of Qatar as defined by the arbitrator the concession of the Iraq Petroleum Company's subsidiary is valid; elsewhere, wherever

[26] S. W. Boggs: National Claims in Adjacent Seas, *Geogr. Rev.*, Vol. 41, 1951, pp. 185–209, summarizes the complicated situation before arbitration.

p xx

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000 Petroleum in the Middle East was not developed on a commercial scale until the twentieth century, culminating in that vast project of modern engineering, the construction and installation of the Haifa pipe-line. During the past ten years the industry has made rapid strides; pipe-lines have been laid throughout Iraq and part of Arabia; a city of pipes, girders and refineries has sprung up at Abadan, at the extreme northern point of the Persian Gulf, and thousands of drillers, engineers, prospectors, technicians and workmen have been employed in the oil fields by the great international oil companies. Geologists have mapped huge areas of desert and mountain on both sides of the Gulf, by air as well as on foot, and from their conclusions it is reasonable to believe that almost inexhaustible subterranean supplies of oil flow in lakes of varying depth from Mosul, straight down the Persian Gulf, and probably along the coast of southern Persia as far east as Baluchistan.

Until the internal combustion or jet propulsion engine is replaced by atomic energy, oil is likely to remain a major factor in world power politics, and the territories in which the principal deposits lie will be sought after by interested nations. Thus the future of Arabia, an important oil-producing country, may be utterly changed in the next fifty years by the needs of modern industry. So far, the American countries have confined their activities to Arabia proper and the island of Bahrain, which, our own experts stated, after drilling experiments, contained insufficient deposits to warrant exploitation; not long afterwards American drillers found oil a short distance out at sea, estimated to be of sufficient quantity to yield a million barrels a year, and obtained a concession to work it.

● 315 471 The same thing may happen in the Trucial Oman Coast, unless we are wide-awake enough to develop the resources of that region ourselves. A geologist employed by the Anglo-Persian Company assured me that large deposits of high-grade petroleum lie under the sands between Sharjah and Ras-al-Khaimah; American drillers who sank wells for water, but who by a remarkable coincidence found oil, have proved it. A number of British oil companies, who have joint financial interests, have obtained concessions from the Trucial sheikhs, and it is to be hoped that as soon as economic and other conditions allow, they will undertake drilling operations in this region.

000 The search for oil is going to change the face of Arabia, but if it results in modernizing the desert tribes and introducing the benefits of civilization to Oman and other backward regions, even

3: Melamid S-3 (no date) 1954 MK4 Trucial Oman MK4

TABLE I—SUMMARY OF CHANGES IN TRUCIAL SHEIKHDOMS

TRUCIAL SHEIKHDOM	RECENT CHANGES
ABU DHABI	The largest Trucial sheikhdom, territorially better consolidated than before. Prospecting for oil proceeds on land; oil, of a better quality than the other Arabian oils, has been discovered at Murban (about 23° 50′ N. and 53° 45′ E.), but the full significance of the discovery has not yet been evaluated. A new oil concession, to last 65 years, for the offshore subsurface rights in the Persian Gulf, as defined in the 1951 arbitration award, was granted to a combination of British (Anglo-Iranian Oil Company) and French companies in March, 1953; the area is described as exceeding 12,000 square miles (no information has been released to show how this figure was calculated); under the terms of the concession, exploration must begin within a year, and drilling within five years.
DIBAI	The town of Dibai is expanding rapidly; its population is now estimated at 38,000. Two commercial banks and a hospital have been established, and there are regular bimonthly mail-steamer connections with Iraq and India. In view of the growth of Dibai, the headquarters of the British Political Agent for Trucial 'Oman are being transferred there from Sharjah. An offshore concession described as covering 1300 square miles was granted in August, 1952, to the same group of companies that have obtained the Abu Dhabi offshore concession; the terms also are the same, except that the duration is limited to 60 years. Drilling to 12,000 feet has produced no oil so far.
SHARJAH	Probably now the second largest of the Trucial sheikhdoms; includes the inland oasis of Dhaid and the town of Kalba, on the Gulf of 'Oman. The aerodrome near the town of Sharjah is served by three flights a week from Bahrein, the only regular air service to Trucial 'Oman.
AJMAN	No change.
UMM AL QAIWAIN	" "
RAS AL KHAIMA	" "
FUJAIRA	Trucial sheikhdom since 1952; economically unimportant.

by the Sultan of Muscat and 'Oman. After some skirmishes between the troops of Saudi Arabia and British-officered Trucial 'Oman levies, a standstill agreement, similar to the Palestine armistice agreements, was reached, which stabilized for the time being the positions occupied by the various states and armies. Owing to the location of Hamasa between the other villages of the oasis, this standstill agreement has resulted in some form of blockade of the forces of Saudi Arabia there; Saudi Arabian efforts to supply Hamasa have led to further bloodshed and complaints to the United Nations. Since the oasis of Buraimi contains the only sizable wells in the eastern Rub' al Khali desert, possession of, and free access to, all or parts of it is important to anyone who desires to rule, and exploit the minerals of, the Empty Quarter of Arabia. Several suggestions for amicable settlement or arbitration of the dispute have been made, particularly by the new King of Saudi Arabia (*New York Times*, Nov. 11, 1953). In view of the importance of the oasis, definite boundaries between Saudi Arabia, Trucial 'Oman, the Sultanate of Muscat and 'Oman (in whose Dhofar region a group of American oil companies has a concession), and possibly Aden Protectorate may now be established, though the process of definition would take some time. All the oil companies operating in the states concerned have announced their agreement to any new boundaries that may be drawn.—ALEXANDER MELAMID

PHYSICAL GEOGRAPHY

ARID ZONE RESEARCH. "Reviews of Research on Arid Zone Hydrology" (Paris, 1953) is the first fruit of UNESCO's Arid Zone Programme, which had its beginning in 1948. For study purposes the arid lands of the world were divided into eight regions—

3:Royal Institute of International Affairs U-4 (no date)1954 M1 Middle East
Trucial Oman MK4
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THE TRUCIAL COAST

The shore extending eastward from Qatar to the entrance to the Gulf consists of the shaikhdoms of Abu Dhabi, Dibay, Sharja, Kalba, Ras al-Khaima, Umm al-Quwain, and Ajman. Most possess shallow anchorages on an inlet; inland, they have few interests apart from access to wells, and their frontiers with Saudi Arabia are undemarcated.

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The interest they present from an international point of view lies largely in the success or failure in prospecting for oil. Petroleum Development (Trucial Coast) Ltd, which is, like its companion in Qatar, an affiliate of IPC has drilled test wells in both Abu Dhabi and Dibay, so far without success. The Shaikhdom of Abu Dhabi has, however, come into prominence on two other counts. First, its dealings with the company were in 1951 the subject of the noted arbitration case in which the Shaikh claimed the right to grant a concession to the Superior Oil Company under the sea-bed off his coasts. PDL lost their claim that their concession extended beyond his territorial waters. Exploration rights in marine areas have been granted to Anglo-Iranian off Abu Dhabi and to Anglo-Iranian in association with the Compagnie Française des Pétroles off Dibay.

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In 1952–3, pressure was exercised on the Shaikh from another quarter, Saudi Arabia. The oasis of Buraimi, which consists of eight villages and lies on the undelimited confines of Abu Dhabi and the Sultanate of Muscat, was partly occupied by a servant of the Saudi Arabian Government on grounds, contested by both the lesser rulers concerned, that the family had owned it in the nineteenth century and claimed title to its ancestral domain. It is likely that belief in the oil-bearing possibilities of these deserts precipitated this sudden claim. The Shaikh of Abu Dhabi and the Sultan of Muscat both sought and obtained some British diplomatic help in upholding their title to the oasis. The incident was important chiefly because it showed how unwise it is not to delimit such frontiers before they assume economic importance through the discovery of mineral wealth.

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MUSCAT AND OMAN

The area of this independent Sultanate[1] is estimated at about 82,000 square miles. It lies at the extreme south-east of the Arabian peninsula, and has a sea coast of some 1,000 miles facing south-east and east and extending from the frontier of the Sultanate of Qishn and Socotra (Eastern Aden Protectorate)

[1] Its status was affirmed by the Hague Court in the Muscat Dhows Case in 1905.